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FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002  
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FILE COVERS 1907 - 18 Nov 2002 VOL 137 ISS 21  
FILE LAST UPDATED: 17 Nov 2002 (20021117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s laminate  
74333 LAMINATE  
55865 LAMINATES  
L1 91522 LAMINATE  
(LAMINATE OR LAMINATES)

=> s textile  
69186 TEXTILE  
73221 TEXTILES  
L2 108044 TEXTILE  
(TEXTILE OR TEXTILES)

=> s substrate  
650255 SUBSTRATE  
307667 SUBSTRATES  
L3 819823 SUBSTRATE  
(SUBSTRATE OR SUBSTRATES)

=> s coating  
597336 COATING  
302319 COATINGS  
L4 650930 COATING  
(COATING OR COATINGS)

=> s polyvinylamine or polyallylamine  
608 POLYVINYLAMINE  
45 POLYVINYLAMINES  
623 POLYVINYLAMINE  
(POLYVINYLAMINE OR POLYVINYLAMINES)  
13 POLYALLYLAMINE  
L5 636 POLYVINYLAMINE OR POLYALLYLAMINE

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE

=> s 12 and 13 and 14

L6 1136 L2 AND L3 AND L4

=> s 16 and 15

L7 1 L6 AND L5

=> d 17 bib,abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
AN 2002:594772 CAPLUS  
DN 137:141764  
TI Image-printable **textile substrates** coated with  
compositions containing a cationic material and a repellent  
IN Vogt, Kirkland W.; Gillis, Kimberly C.; McBride, Daniel T.; Soltis, John  
A.; Sims, William T.  
PA Milliken & Company, USA  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060689	A1	20020808	WO 2001-US47384	20011210
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002132541	A1	20020919	US 2001-772800	20010130
PRAI	US 2001-772800	A	20010130		

~~AB Title **textile** having enhanced image definition is manufd. by~~  
**coating a textile substrate** with a compn.  
having cationic and repellent properties, thereby accepting an image thereon more readily. The **coating** compn. comprises (I) a cationic material such as polymeric and non-polymeric compd., and (II) a repellent finish such as fluorochem. repellent. Thus, a polyester fabric was dipped into an aq. bath contg. 15% of Polycat M 30 (quaternary stilbene vinyl copolymer) and 3% of Foraperle 501 (fluorochem. dispersion).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE  
L6 1136 S L2 AND L3 AND L4  
L7 1 S L6 AND L5

=> s l1 and l6

L8 160 L1 AND L6

=> s l5 and l8

L9 0 L5 AND L8

=> s phosphonium or fluorochemical or silicone or wax or organometallic complex or  
wax metal emulsion

13449 PHOSPHONIUM  
77 PHOSPHONIUMS  
13473 PHOSPHONIUM  
(PHOSPHONIUM OR PHOSPHONIUMS)  
187 FLUOROCHEMICAL  
107 FLUOROCHEMICALS  
282 FLUOROCHEMICAL  
(FLUOROCHEMICAL OR FLUOROCHEMICALS)  
466 FLUOROCHEM  
131 FLUOROCHEMS  
525 FLUOROCHEM  
(FLUOROCHEM OR FLUOROCHEMS)  
639 FLUOROCHEMICAL  
(FLUOROCHEMICAL OR FLUOROCHEM)  
81800 SILICONE  
61756 SILICONES  
118494 SILICONE  
(SILICONE OR SILICONES)  
65854 WAX  
40472 WAXES  
81558 WAX  
(WAX OR WAXES)  
37905 ORGANOMETALLIC  
2493 ORGANOMETALLICS  
38936 ORGANOMETALLIC  
(ORGANOMETALLIC OR ORGANOMETALLICS)  
1043811 COMPLEX  
606456 COMPLEXES  
1292475 COMPLEX  
(COMPLEX OR COMPLEXES)  

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3231 ORGANOMETALLIC COMPLEX  
(ORGANOMETALLIC (W) COMPLEX)  
65854 WAX  
40472 WAXES  
81558 WAX  
(WAX OR WAXES)  
1379264 METAL  
690993 METALS  
1672387 METAL  
(METAL OR METALS)  
171708 EMULSION  
101839 EMULSIONS  
207948 EMULSION  
(EMULSION OR EMULSIONS)  
1 WAX METAL EMULSION  
(WAX (W) METAL (W) EMULSION)  
L10 212854 PHOSPHONIUM OR FLUOROCHEMICAL OR SILICONE OR WAX OR ORGANOMETALLIC  
IC COMPLEX OR WAX METAL EMULSION

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE  
L6 1136 S L2 AND L3 AND L4  
L7 1 S L6 AND L5  
L8 160 S L1 AND L6  
L9 0 S L5 AND L8  
L10 212854 S PHOSPHONIUM OR FLUOROCHEMICAL OR SILICONE OR WAX OR ORGANOMET

=> s l8 and l10

L11 9 L8 AND L10

=> d l11 1-9 bib,abs

L11 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2002:408312 CAPLUS

DN 136:403379

TI Antifouling foamed laminated wallpaper

IN Kitagawa, Yosuke; Sasaki, Osamu; Hoshikawa, Ryuichi

PA Matsui Shikiso Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002155478	A2	20020531	JP 2000-347476	20001115
AB	The wallpaper comprises a <b>substrate</b> (paper), a foamed layer (Panflex OM 4200), a gas-barrier plastic film (ethylene-vinyl alc. copolymer), and a nonwoven <b>textile</b> layer (polyester fiber).				

L11 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2001:101223 CAPLUS

DN 134:164560

TI Impregnated glass fiber strands and coated strand products

IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;

Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.

PA Ppg-Industries-Ohio, Inc., USA

SO PCT Int. Appl., 161 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009226	A1	20010208	WO 2000-US20539	20000728
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

WO 2000021899 A1 20000420 WO 1999-US21442 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

WO 2000021900 A1 20000420 WO 1999-US21443 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1204698 A1 20020515 EP 2000-950817 20000728  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-146337P P 19990730  
US 1999-146605P P 19990730  
US 1999-146862P P 19990803  
WO 1999-US21442 W 19991008  
WO 1999-US21443 W 19991008  
US 2000-183562P P 20000218  
US 2000-527034 A 20000316  
US 2000-548379 A 20000412  
US 2000-668916 A 20000511  
US 2000-620525 A 20000720  
US 1998-170566 A 19981013  
US 1998-170578 A 19981013  
US 1999-133075P P 19990507  
US 1999-133076P P 19990507  
WO 2000-US20539 W 20000728

AB The partially coated fiber strand (for use in circuit board  
**laminates**) comprises many fibers, the **coating** (or size)  
comprising an org. component and lamellar particles having a thermal cond.  
.gto req. 1 W/m K at 300K. The **coating** compn. further comprises  
(a) many discrete particles formed from materials selected from nonheat  
expandable org. materials, inorg. polymeric materials, nonheat expandable  
composite materials and mixts., the particles having an av. particle size  
sufficient to allow strand wet out, (b) .gtoreq. 1 lubricants, and (c)  
~~.gtoreq. 1 film-forming material.~~ ~~Glass fibers have a **coating**~~  
compn. comprising (a) many lamellar, inorg. particles having a Mohs'  
hardness value which does not exceed the Mohs' hardness value of the glass  
fibers and (b) .gtoreq. 1 polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:101073 CAPLUS  
DN 134:164559  
TI Impregnated glass fiber strands and coated strand products  
IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;  
Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.  
PA Ppg Industries Ohio, Inc., USA  
SO PCT Int. Appl., 163 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009054	A1	20010208	WO 2000-US20459	20000728
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 2000021899	A1	20000420	WO 1999-US21442	19991008
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 2000021900	A1	20000420	WO 1999-US21443	19991008
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1204613	A1	20020515	EP 2000-948977	20000728
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	BR 2000012885	A	20020716	BR 2000-12885	20000728
	US 2002055313	A1	20020509	US 2001-795622	20010228
	US 2002058449	A1	20020516	US 2001-793911	20010228
	US 2002086598	A1	20020704	US 2001-793900	20010228
PRAI	US 1999-146337P	P	19990730		
	US 1999-146605P	P	19990730		
	US 1999-146862P	P	19990803		
	WO 1999-US21442	A	19991008		
	WO 1999-US21443	A	19991008		
	US 2000-183562P	P	20000218		
	<del>US 2000-527034</del>	<del>P</del>	<del>20000316</del>		
	US 2000-548379	A	20000412		
	US 2000-668916	A	20000511		
	US 2000-233460P	P	20000918		
	US 1998-170566	A	19981013		
	US 1998-170578	A	19981013		
	US 1999-133075P	P	19990507		
	US 1999-133076P	P	19990507		
	US 2000-568916	A	20000511		
	US 2000-620523	A	20000720		
	WO 2000-US20459	W	20000728		

AB The partially coated fiber strand (for use in circuit board laminates) comprises many fibers, the coating (or size) comprising an org. component and lamellar particles having a thermal cond.  $\geq 1 \text{ W/m K}$  at 300K. The coating compn. further comprises (a) many discrete particles formed from materials selected from nonheat expandable org. materials, inorg. polymeric materials, nonheat expandable composite materials and mixts., the particles having an av. particle size

sufficient to allow strand wet out, (b) .gtoreq.1 lubricants, and (c) .gtoreq.1 film-forming material. Glass fibers have a **coating** compn. comprising (a) many lamellar, inorg. particles having a Mohs' hardness value which does not exceed the Mohs' hardness value of the glass fibers and (b) .gtoreq.1 polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1993:651690 CAPLUS

DN 119:251690

TI Preparation of waterproof, breathable, laminated polyurethane membranes

IN Krishnan, Sundaram

PA Surface Coatings, Inc., USA

SO U.S., 10 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5208313	A	19930504	US 1992-914871	19920716
	US 5234525	A	19930810	US 1992-968182	19921029
	US 5239036	A	19930824	US 1993-2610	19930111
	US 5238732	A	19930824	US 1993-2640	19930111
	US 5239037	A	19930824	US 1993-2747	19930111
	WO 9402526	A1	19940203	WO 1993-JP982	19930715
	W: JP, KR				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5283112	A	19940201	US 1993-97363	19930726
PRAI	US 1992-914871		19920716		
	US 1992-968182		19921029		

AB The title membranes, useful in manufg. tents, rainwear, etc., can be produced as free-standing products or laminated or coated on porous **substrates**, e.g., fabrics, by using a base coat and topcoat **coating** system comprising chain-extended polyurethane prepolymers dissolved in fugitive solvents. Thus, a PhMe soln. of a urethane prepolymer prepd. from isophorone diisocyanate (IDPI), Carbowax 1450 (a polyethylene glycol), Q 4-3667 [OH-functional poly(di-Me siloxane)], and Coscat 83 (catalyst) was chain-extended with isophoronediamine and mixed with a similar, chain-extended prepolymer based on Carbowax 1450 and Terathane 2000 [a poly(tetramethylene glycol)]. The mixt. was combined with Santolite MHP (an anticurl additive), Cymel 380 (a melamine antiblocking agent), and a soln. of Et3N-blocked Et acid phosphate catalyst to give a thermoset breathable base coat formulation suitable for direct **coating** on fabrics.

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1991:473246 CAPLUS

DN 115:73246

TI Thermally conductive electrically insulating siloxane rubbers having fusible **coatings**

IN Kashida, Shu; Shimamoto, Noboru; Yoneyama, Tsutomu

PA Shin-Etsu Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02267810	A2	19901101	JP 1989-89198	19890407
	JP 07007605	B4	19950130		

AB Title insulators, useful for heat-discharging materials for elec. or

electronic devices, comprise **laminates** of (a) cured rubber compns. contg. siloxanes and thermally conductive inorg. fillers and (b) synthetic resin **coatings** having softening temp. (T) 40-120.degree. of .ltoreq.10 .mu.m thickness. Thus, vinyl-contg. dimethylpolysiloxane rubber 100, alumina 300, and 2,4-dichlorobenzoyl peroxide 1.5 parts were mixed and press-vulcanized at 170.degree. for 15 min to give a sheet, which was coated with toluene soln. of EOCN 1020-55 (epoxy phenol resin, T 55.degree.) and dried at 70.degree. for 10 min to give title **lamine** (0.5-.mu.m the epoxy **coating**) having thermal resistance 0.78 .degree.C/W vs. 1.55 for the sheet without the **coating**.

L11 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1988:632465 CAPLUS

DN 109:232465

TI Fire- and water-resistant laminated sheets

IN Nishizawa, Hitoshi; Nishimura, Tamotsu; Mori, Junichiro; Yamazaki, Kamoo

PA Showa Electric Wire and Cable Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63110347	A2	19880514	JP 1986-255391	19861027

PI The sheets are prepd. by binding web-monoaxially oriented polyolefin film-coarse **textile** (sandwiched) **laminates** or polyolefin film-flame-retardant inorg. sheet **laminates** on flame-retardant rubber-asphalt composite (A)-coated release **substrates**. Thus, **coating** a **silicone** on kraft paper, then the composite, and roll-bonding a glass cloth-polyethylene film-polyethylene **textile laminates** on the composite side gave a product showing good fire and water resistance.

L11 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1988:206009 CAPLUS

DN 108:206009

TI **Laminates** of surface-coated prepreps

IN Maeda, Shuji; Sakamoto, Takaaki; Ito, Munehiko; Heiuchi, Takahiro; Koseki, Takayoshi

PA Matsushita Electric Works, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63027217	A2	19880204	JP 1986-170481	19860718

PI **Laminates** with good dielec. properties and interlayer adhesion are prepd. by **coating** mixts. of polyoxyphenylenes 10-95, curable polymers and/or monomers 10-50, and inorg. fillers 1-200 parts on **substrates** or prepreps, laminating, and hot-pressing. Glass fabrics were impregnated with a mixt. of polyoxyphenylene 70, SBR 20, triallyl isocyanurate 10, peroxide 25B 2, C2HCl3 800, and TiO2 50 g, dried, coated on both sides with the same compn., dried, laminated (3 sheets) between Cu foils, and press-cured to give a **lamine** having dielec. const. (1 MHz) 6.3, resistivity 7.5 .times. 10<sup>14</sup> .OMEGA., and peel strength 2.0 kg/cm; vs. 6.5, 4.5 .times. 10<sup>14</sup>, and 0.2, resp., without the **coating**.

L11 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1980:7972 CAPLUS



DN 92:7972  
 TI Semi-durable, water-repellant, fire-resistant intumescent composition  
 IN Dias, Gil M.  
 PA United States Dept. of the Army, USA  
 SO U. S. Pat. Appl., 32 pp. Avail. NTIS.  
 CODEN: XAXXAV  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 966846	A0	19790831	US 1978-966846	19781206
	US 4216261	A	19800805	US 1978-966846	19781206
	CA 1109607	A1	19810929	CA 1979-338346	19791024
PRAI	US 1978-966846		19781206		

AB The title **coating** compn. for use on fabrics consisted of a catalyst (a P-releasing agent), a carbonific (such as a polyfunctional alc.), a blowing agent mixt. (such as an amine or amide and a chlorinated paraffin), and a preservative **coating** compn. composed of a fire retardant, a binder, a solvent, and optionally, a water-repellent, pigments, or fungicides. Thus, a paraffin **wax** emulsion was prep'd. consisting of Chlorowax 70 96.0, nonionic wetting agent 28.8, NH4OH 11.2, water 193.6, and Stoddard solvent 481.6 parts. A preservative **coating** compn. was prep'd. contg. mineral spirits 248, chlorinated paraffin 54, sulfonated castor oil 5, water 5, nonionic wetting agent 13, TiO2 150, CaCO3 450, Sb2O3 50, and 2,2'-methylenebis(4-chlorophenol) 11 parts. An intumescent **coating** compn. was prep'd. by mixing the Chlorowax 70 emulsion 39.19, Phos Chek P/30 ammonium polyphosphate 43.65, tripentaerythritol [78-24-0] 15.69, ball-milled melamine [108-78-1] 11.20, water 122.93, and preservative **coating** compn. 16.26 parts. A cotton **textile** coated with 40-100% of the compn. and dried at 222-60.degree. F had a semidurable fire-resistant water-repellent finish which prevented the **substrate** from burning and intumesced in .ltoreq.3 s at ignition energy 0.14 cal/cm2/s.

L11 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1977:122524 CAPLUS  
 DN 86:122524  
 TI Leather substitutes  
 IN Maeda, Yasuhiro; Morimoto, Itaru  
 PA Sekisui Chemical Co., Ltd., Japan  
 SO Japan., 10 pp.  
 CODEN: JAXXAD  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51040123	B4	19761101	JP 1966-60986	19660914

AB Flexible leather substitutes with improved permeability were obtained by impregnating an acrylic or acetate web with mixts. (A) contg. a urethane polymer, **coating** the web with NaHCO3 or CaCl2, steaming the coated web to foam A, **coating** the material with a mixt. (B) contg. a urethane polymer in a water-compatible solvent having b.p. >100.degree. or laminating the material with a **substrate** coated with B, **coating** the **lamine** (coated side) with NaHCO3 or CaCl2, moistening the **lamine** to foam B, and immersing the **lamine** in hot water. Thus, a Cashmilon web was immersed in a mixt. contg. a urethane polymer (I) [9048-57-1] 100, toluene 100, triethylamine 0.1, dibutyltin dilaurate 0.6, **silicone** oil 1.0, and carbon black 1.0 part, padded (350 g/m2), coated (200 g/m2) with NaHCO3, steamed 10 min at 100.degree., and pressed at 130.degree. and 25 kg/cm2. The resulting web was laminated with a cotton fabric [coated (250 g/m2) with a mixt. contg. I 80, DMF 20, and carbon black 1.0 part], stored

10 min at 40.degree. and 100% relative humidity (RH) and 15 min at 70.degree. and 90% RH, dried, and immersed in H2O for 2 h at 60.degree. to give a flexible leather substitute with good permeability.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

50.87

51.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-6.20

-6.20

STN INTERNATIONAL LOGOFF AT 12:32:32 ON 18 NOV 2002

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=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002  
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FILE COVERS 1907 - 18 Nov 2002 VOL 137 ISS 21  
FILE LAST UPDATED: 17 Nov 2002 (20021117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s laminate

74333 LAMINATE  
55865 LAMINATES

L1 91522 LAMINATE  
(LAMINATE OR LAMINATES)

=> s textile

69186 TEXTILE  
73221 TEXTILES

L2 108044 TEXTILE  
(TEXTILE OR TEXTILES)

=> s substrate

650255 SUBSTRATE  
307667 SUBSTRATES

L3 819823 SUBSTRATE  
(SUBSTRATE OR SUBSTRATES)

=> s coating

597336 COATING  
302319 COATINGS

L4 650930 COATING  
(COATING OR COATINGS)

=> s polyvinylamine or polyallylamine

608 POLYVINYLAMINE  
45 POLYVINYLAMINES  
623 POLYVINYLAMINE  
(POLYVINYLAMINE OR POLYVINYLAMINES)

13 POLYALLYLAMINE  
L5 636 POLYVINYLAMINE OR POLYALLYLAMINE

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE

=> s l2 and l3 and l4

L6 1136 L2 AND L3 AND L4

=> s l6 and l5

L7 1 L6 AND L5

=> d l7 bib,abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
AN 2002:594772 CAPLUS  
DN 137:141764  
TI Image-printable **textile substrates** coated with  
compositions containing a cationic material and a repellent  
IN Vogt, Kirkland W.; Gillis, Kimberly C.; McBride, Daniel T.; Soltis, John  
A.; Sims, William T.  
PA Milliken & Company, USA  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060689	A1	20020808	WO 2001-US47384	20011210
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002132541	A1	20020919	US 2001-772800	20010130
PRAI	US 2001-772800	A	20010130		

~~AB Title **textile** having enhanced image definition is manufd. by~~  
**coating a textile substrate** with a compn.  
having cationic and repellent properties, thereby accepting an image thereon more readily. The **coating** compn. comprises (I) a cationic material such as polymeric and non-polymeric compd., and (II) a repellent finish such as fluorochem. repellent. Thus, a polyester fabric was dipped into an aq. bath contg. 15% of Polycat M 30 (quaternary stilbene vinyl copolymer) and 3% of Foraperle 501 (fluorochem. dispersion).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
 L2 108044 S TEXTILE  
 L3 819823 S SUBSTRATE  
 L4 650930 S COATING  
 L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE  
 L6 1136 S L2 AND L3 AND L4  
 L7 1 S L6 AND L5

=> s l1 and l6  
 L8 160 L1 AND L6

=> s l5 and l8  
 L9 0 L5 AND L8

=> s phosphonium or fluorochemical or silicone or wax or organometallic complex or  
 wax metal emulsion

13449 PHOSPHONIUM  
 77 PHOSPHONIUMS  
 13473 PHOSPHONIUM  
 (PHOSPHONIUM OR PHOSPHONIUMS)  
 187 FLUOROCEMICAL  
 107 FLUOROCEMICALS  
 282 FLUOROCEMICAL  
 (FLUOROCEMICAL OR FLUOROCEMICALS)  
 466 FLUOROCEM  
 131 FLUOROCEMS  
 525 FLUOROCEM  
 (FLUOROCEM OR FLUOROCEMS)  
 639 FLUOROCEMICAL  
 (FLUOROCEMICAL OR FLUOROCEM)  
 81800 SILICONE  
 61756 SILICONES  
 118494 SILICONE  
 (SILICONE OR SILICONES)  
 65854 WAX  
 40472 WAXES  
 81558 WAX  
 (WAX OR WAXES)  
 37905 ORGANOMETALLIC  
 2493 ORGANOMETALLICS  
 38936 ORGANOMETALLIC  
 (ORGANOMETALLIC OR ORGANOMETALLICS)  
 1043811 COMPLEX  
 606456 COMPLEXES  
 1292475 COMPLEX  
 (COMPLEX OR COMPLEXES)  


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~~3231 ORGANOMETALLIC COMPLEX~~  
 (ORGANOMETALLIC (W) COMPLEX)  
 65854 WAX  
 40472 WAXES  
 81558 WAX  
 (WAX OR WAXES)  
 1379264 METAL  
 690993 METALS  
 1672387 METAL  
 (METAL OR METALS)  
 171708 EMULSION  
 101839 EMULSIONS  
 207948 EMULSION  
 (EMULSION OR EMULSIONS)  
 1 WAX METAL EMULSION  
 (WAX (W) METAL (W) EMULSION)  
 L10 212854 PHOSPHONIUM OR FLUOROCEMICAL OR SILICONE OR WAX OR ORGANOMETALLIC  
 IC COMPLEX OR WAX METAL EMULSION

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYAMINE  
L6 1136 S L2 AND L3 AND L4  
L7 1 S L6 AND L5  
L8 160 S L1 AND L6  
L9 0 S L5 AND L8  
L10 212854 S PHOSPHONIUM OR FLUORO-CHEMICAL OR SILICONE OR WAX OR ORGANOMET

=> s 18 and 110

L11 9 L8 AND L10

=> d 111 1-9 bib,abs

L11 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2002:408312 CAPLUS

DN 136:403379

TI Antifouling foamed laminated wallpaper

IN Kitagawa, Yosuke; Sasaki, Osamu; Hoshikawa, Ryuichi

PA Matsui Shikiso Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002155478	A2	20020531	JP 2000-347476	20001115
AB	The wallpaper comprises a <b>substrate</b> (paper), a foamed layer (Panflex OM 4200), a gas-barrier plastic film (ethylene-vinyl alc. copolymer), and a nonwoven <b>textile</b> layer (polyester fiber).				

L11 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2001:101223 CAPLUS

DN 134:164560

TI Impregnated glass fiber strands and coated strand products

IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;

Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.

PA Ppg Industries Ohio, Inc., USA

SO PCT Int. Appl., 161 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009226	A1	20010208	WO 2000-US20539	20000728
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

WO 2000021899 A1 20000420 WO 1999-US21442 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

WO 2000021900 A1 20000420 WO 1999-US21443 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM  
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1204698 A1 20020515 EP 2000-950817 20000728  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-146337P P 19990730  
US 1999-146605P P 19990730  
US 1999-146862P P 19990803  
WO 1999-US21442 W 19991008  
WO 1999-US21443 W 19991008  
US 2000-183562P P 20000218  
US 2000-527034 A 20000316  
US 2000-548379 A 20000412  
US 2000-668916 A 20000511  
US 2000-620525 A 20000720  
US 1998-170566 A 19981013  
US 1998-170578 A 19981013  
US 1999-133075P P 19990507  
US 1999-133076P P 19990507  
WO 2000-US20539 W 20000728

AB The partially coated fiber strand (for use in circuit board  
**laminates**) comprises many fibers, the **coating** (or size)  
comprising an org. component and lamellar particles having a thermal cond.  
 $\geq 1$  W/m K at 300K. The **coating** compn. further comprises  
(a) many discrete particles formed from materials selected from nonheat  
expandable org. materials, inorg. polymeric materials, nonheat expandable  
composite materials and mixts., the particles having an av. particle size  
sufficient to allow strand wet out, (b)  $\geq 1$  lubricants, and (c)  
 ~~$\geq 1$  film-forming material.~~ Glass fibers have a **coating**  
compn. comprising (a) many lamellar, inorg. particles having a Mohs'  
hardness value which does not exceed the Mohs' hardness value of the glass  
fibers and (b)  $\geq 1$  polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
AN 2001:101073 CAPLUS  
DN 134:164559  
TI Impregnated glass fiber strands and coated strand products  
IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;  
Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.  
PA Ppg Industries Ohio, Inc., USA  
SO PCT Int. Appl., 163 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009054	A1	20010208	WO 2000-US20459	20000728
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 2000021899	A1	20000420	WO 1999-US21442	19991008
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 2000021900	A1	20000420	WO 1999-US21443	19991008
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1204613	A1	20020515	EP 2000-948977	20000728
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	BR 2000012885	A	20020716	BR 2000-12885	20000728
	US 2002055313	A1	20020509	US 2001-795622	20010228
	US 2002058449	A1	20020516	US 2001-793911	20010228
	US 2002086598	A1	20020704	US 2001-793900	20010228
PRAI	US 1999-146337P	P	19990730		
	US 1999-146605P	P	19990730		
	US 1999-146862P	P	19990803		
	WO 1999-US21442	A	19991008		
	WO 1999-US21443	A	19991008		
	US 2000-183562P	P	20000218		
	US 2000-527034	P	20000316		
	US 2000-548379	A	20000412		
	US 2000-668916	A	20000511		
	US 2000-233460P	P	20000918		
	US 1998-170566	A	19981013		
	US 1998-170578	A	19981013		
	US 1999-133075P	P	19990507		
	US 1999-133076P	P	19990507		
	US 2000-568916	A	20000511		
	US 2000-620523	A	20000720		
	WO 2000-US20459	W	20000728		
AB	The partially coated fiber strand (for use in circuit board laminates) comprises many fibers, the coating (or size) comprising an org. component and lamellar particles having a thermal cond. .gtoreq.1 W/m K at 300K. The coating compn. further comprises (a) many discrete particles formed from materials selected from nonheat expandable org. materials, inorg. polymeric materials, nonheat expandable composite materials and mixts., the particles having an av. particle size				



sufficient to allow strand wet out, (b) .gtoreq.1 lubricants, and (c) .gtoreq.1 film-forming material. Glass fibers have a **coating** compn. comprising (a) many lamellar, inorg. particles having a Mohs' hardness value which does not exceed the Mohs' hardness value of the glass fibers and (b) .gtoreq.1 polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1993:651690 CAPLUS

DN 119:251690

TI Preparation of waterproof, breathable, laminated polyurethane membranes

IN Krishnan, Sundaram

PA Surface Coatings, Inc., USA

SO U.S., 10 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5208313	A	19930504	US 1992-914871	19920716
	US 5234525	A	19930810	US 1992-968182	19921029
	US 5239036	A	19930824	US 1993-2610	19930111
	US 5238732	A	19930824	US 1993-2640	19930111
	US 5239037	A	19930824	US 1993-2747	19930111
	WO 9402526	A1	19940203	WO 1993-JP982	19930715
	W: JP, KR				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5283112	A	19940201	US 1993-97363	19930726
PRAI	US 1992-914871		19920716		
	US 1992-968182		19921029		

AB The title membranes, useful in manufg. tents, rainwear, etc., can be produced as free-standing products or laminated or coated on porous **substrates**, e.g., fabrics, by using a base coat and topcoat **coating** system comprising chain-extended polyurethane prepolymers dissolved in fugitive solvents. Thus, a PhMe soln. of a urethane prepolymer prepd. from isophorone diisocyanate (IDPI), Carbowax 1450 (a polyethylene glycol), Q 4-3667 [OH-functional poly(di-Me siloxane)], and Coscat 83 (catalyst) was chain-extended with isophoronediamine and mixed with a similar, chain-extended prepolymer based on Carbowax 1450 and Terathane 2000 [a poly(tetramethylene glycol)]. The mixt. was combined with Santolite MHP (an anticurl additive), Cymel 380 (a melamine antiblocking agent), and a soln. of Et3N-blocked Et acid phosphate catalyst to give a thermoset breathable base coat formulation suitable for direct **coating** on fabrics.

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1991:473246 CAPLUS

DN 115:73246

TI Thermally conductive electrically insulating siloxane rubbers having fusible **coatings**

IN Kashida, Shu; Shimamoto, Noboru; Yoneyama, Tsutomu

PA Shin-Etsu Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02267810	A2	19901101	JP 1989-89198	19890407
	JP 07007605	B4	19950130		

AB Title insulators, useful for heat-discharging materials for elec. or

electronic devices, comprise **laminates** of (a) cured rubber compns. contg. siloxanes and thermally conductive inorg. fillers and (b) synthetic resin **coatings** having softening temp. (T) 40-120.degree. of .ltoreq.10 .mu.m thickness. Thus, vinyl-contg. dimethylpolysiloxane rubber 100, alumina 300, and 2,4-dichlorobenzoyl peroxide 1.5 parts were mixed and press-vulcanized at 170.degree. for 15 min to give a sheet, which was coated with toluene soln. of EOCN 1020-55 (epoxy phenol resin, T 55.degree.) and dried at 70.degree. for 10 min to give title **lamine** (0.5-.mu.m the epoxy **coating**) having thermal resistance 0.78 .degree.C/W vs. 1.55 for the sheet without the **coating**.

L11 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1988:632465 CAPLUS

DN 109:232465

TI Fire- and water-resistant laminated sheets

IN Nishizawa, Hitoshi; Nishimura, Tamotsu; Mori, Junichiro; Yamazaki, Kamoo

PA Showa Electric Wire and Cable Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63110347	A2	19880514	JP 1986-255391	19861027
AB	The sheets are prepd. by binding web-monoaxially oriented polyolefin film-coarse <b>textile</b> (sandwiched) <b>laminates</b> or polyolefin film-flame-retardant inorg. sheet <b>laminates</b> on flame-retardant rubber-asphalt composite (A)-coated release <b>substrates</b> . Thus, <b>coating</b> a <b>silicone</b> on kraft paper, then the composite, and roll-bonding a glass cloth-polyethylene film-polyethylene <b>textile laminates</b> on the composite side gave a product showing good fire and water resistance.				

L11 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1988:206009 CAPLUS

DN 108:206009

TI **Laminates** of surface-coated prepregs

IN Maeda, Shuji; Sakamoto, Takaaki; Ito, Munehiko; Heiuchi, Takahiro; Koseki, Takayoshi

PA Matsushita Electric Works, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63027217	A2	19880204	JP 1986-170481	19860718
AB	<b>Laminates</b> with good dielec. properties and interlayer adhesion are prepd. by <b>coating</b> mixts. of polyoxyphenylenes 10-95, curable polymers and/or monomers 10-50, and inorg. fillers 1-200 parts on <b>substrates</b> or prepregs, laminating, and hot-pressing. Glass fabrics were impregnated with a mixt. of polyoxyphenylene 70, SBR 20, triallyl isocyanurate 10, peroxide 25B 2, C2HCl3 800, and TiO2 50 g, dried, coated on both sides with the same compn., dried, laminated (3 sheets) between Cu foils, and press-cured to give a <b>lamine</b> having dielec. const. (1 MHz) 6.3, resistivity 7.5 .times. 10 <sup>14</sup> .OMEGA., and peel strength 2.0 kg/cm; vs. 6.5, 4.5 .times. 10 <sup>14</sup> , and 0.2, resp., without the <b>coating</b> .				

L11 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1980:7972 CAPLUS

DN 92:7972  
 TI Semi-durable, water-repellant, fire-resistant intumescent composition  
 IN Dias, Gil M.  
 PA United States Dept. of the Army, USA  
 SO U. S. Pat. Appl., 32 pp. Avail. NTIS.  
 CODEN: XAXXAV  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 966846	A0	19790831	US 1978-966846	19781206
	US 4216261	A	19800805	US 1978-966846	19781206
	CA 1109607	A1	19810929	CA 1979-338346	19791024
PRAI	US 1978-966846		19781206		

AB The title **coating** compn. for use on fabrics consisted of a catalyst (a P-releasing agent), a carbonific (such as a polyfunctional alc.), a blowing agent mixt. (such as an amine or amide and a chlorinated paraffin), and a preservative **coating** compn. composed of a fire retardant, a binder, a solvent, and optionally, a water-repellent, pigments, or fungicides. Thus, a paraffin **wax** emulsion was prepd. consisting of Chlorowax 70 96.0, nonionic wetting agent 28.8, NH4OH 11.2, water 193.6, and Stoddard solvent 481.6 parts. A preservative **coating** compn. was prepd. contg. mineral spirits 248, chlorinated paraffin 54, sulfonated castor oil 5, water 5, nonionic wetting agent 13, TiO2 150, CaCO3 450, Sb2O3 50, and 2,2'-methylenebis(4-chlorophenol) 11 parts. An intumescent **coating** compn. was prepd. by mixing the Chlorowax 70 emulsion 39.19, Phos Chek P/30 ammonium polyphosphate 43.65, tripentaerythritol [78-24-0] 15.69, ball-milled melamine [108-78-1] 11.20, water 122.93, and preservative **coating** compn. 16.26 parts. A cotton **textile** coated with 40-100% of the compn. and dried at 222-60.degree. F had a semidurable fire-resistant water-repellent finish which prevented the **substrate** from burning and intumesced in .ltoreq.3 s at ignition energy 0.14 cal/cm2/s.

L11 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1977:122524 CAPLUS  
 DN 86:122524  
 TI Leather substitutes  
 IN Maeda, Yasuhiro; Morimoto, Itaru  
 PA Sekisui Chemical Co., Ltd., Japan  
 SO Japan., 10 pp.  
 CODEN: JAXXAD  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51040123	B4	19761101	JP 1966-60986	19660914

AB Flexible leather substitutes with improved permeability were obtained by impregnating an acrylic or acetate web with mixts. (A) contg. a urethane polymer, **coating** the web with NaHCO3 or CaCl2, steaming the coated web to foam A, **coating** the material with a mixt. (B) contg. a urethane polymer in a water-compatible solvent having b.p. >100.degree. or laminating the material with a **substrate** coated with B, **coating** the **laminates** (coated side) with NaHCO3 or CaCl2, moistening the **laminates** to foam B, and immersing the **laminates** in hot water. Thus, a Cashmilon web was immersed in a mixt. contg. a urethane polymer (I) [9048-57-1] 100, toluene 100, triethylamine 0.1, dibutyltin dilaurate 0.6, **silicone** oil 1.0, and carbon black 1.0 part, padded (350 g/m2), coated (200 g/m2) with NaHCO3, steamed 10 min at 100.degree., and pressed at 130.degree. and 25 kg/cm2. The resulting web was laminated with a cotton fabric [coated (250 g/m2) with a mixt. contg. I 80, DMF 20, and carbon black 1.0 part], stored

10 min at 40.degree. and 100% relative humidity (RH) and 15 min at 70.degree. and 90% RH, dried, and immersed in H2O for 2 h at 60.degree. to give a flexible leather substitute with good permeability.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	50.87	51.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.20	-6.20

STN INTERNATIONAL LOGOFF AT 12:32:32 ON 18 NOV 2002

=> d his

(FILE 'HOME' ENTERED AT 12:50:46 ON 23 DEC 2002)

=> s composite of laminate

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FULL ESTIMATED COST	0.42	0.42

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FILE COVERS 1907 - 23 Dec 2002 VOL 137 ISS 26

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=> s composite or laminate

233235 COMPOSITE

140982 COMPOSITES

265933 COMPOSITE

```

                (COMPOSITE OR COMPOSITES)
        74779 LAMINATE
        56110 LAMINATES
        92086 LAMINATE
                (LAMINATE OR LAMINATES)
L1      342696 COMPOSITE OR LAMINATE

=> s (textile or fabric) (l) substrate
        69823 TEXTILE
        75021 TEXTILES
        109494 TEXTILE
                (TEXTILE OR TEXTILES)
        85362 FABRIC
        76513 FABRICS
        117674 FABRIC
                (FABRIC OR FABRICS)
        655190 SUBSTRATE
        309743 SUBSTRATES
        825784 SUBSTRATE
                (SUBSTRATE OR SUBSTRATES)
L2      5346 (TEXTILE OR FABRIC) (L) SUBSTRATE

=> s coating
        600476 COATING
        303657 COATINGS
L3      654302 COATING
                (COATING OR COATINGS)

=> s cationic (l) (material or coating)
        103116 CATIONIC
        190 CATIONICS
        103188 CATIONIC
                (CATIONIC OR CATIONICS)
        1146224 MATERIAL
        1513979 MATERIALS
        2299124 MATERIAL
                (MATERIAL OR MATERIALS)
        600476 COATING
        303657 COATINGS
        654302 COATING
                (COATING OR COATINGS)
L4      11071 CATIONIC (L) (MATERIAL OR COATING)

=> s (repellant or repellent) (l) (coating or finish)
        970 REPELLANT
        388 REPELLANTS
        1274 REPELLANT


---


                (REPELLANT OR REPELLANTS)
        17612 REPELLENT
        6565 REPELLENTS
        19671 REPELLENT
                (REPELLENT OR REPELLENTS)
        600476 COATING
        303657 COATINGS
        654302 COATING
                (COATING OR COATINGS)
        29246 FINISH
        11594 FINISHES
        36115 FINISH
                (FINISH OR FINISHES)
L5      4781 (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)

=> d his

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(FILE 'HOME' ENTERED AT 12:50:46 ON 23 DEC 2002)

FILE 'CAPLUS' ENTERED AT 12:52:06 ON 23 DEC 2002

L1 342696 S COMPOSITE OR LAMINATE  
L2 5346 S (TEXTILE OR FABRIC) (L) SUBSTRATE  
L3 654302 S COATING  
L4 11071 S CATIONIC (L) (MATERIAL OR COATING)  
L5 4781 S (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)

=> s l2 and l3 and l4 and l5

L6 5 L2 AND L3 AND L4 AND L5

=> d l6 1-5 bib,abs

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 2002:594772 CAPLUS

DN 137:141764

TI Image-printable **textile substrates** coated with compositions containing a **cationic material** and a repellent

IN Vogt, Kirkland W.; Gillis, Kimberly C.; McBride, Daniel T.; Soltis, John A.; Sims, William T.

PA Milliken & Company, USA

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060689	A1	20020808	WO 2001-US47384	20011210
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002132541	A1	20020919	US 2001-772800	20010130
PRAI	US 2001-772800	A	20010130		

AB Title **textile** having enhanced image definition is manufd. by **coating** a **textile substrate** with a compn.

having **cationic** and **repellent** properties, thereby accepting an image thereon more readily. The **coating** compn. comprises ~~(I) a cationic material such as polymeric~~

and non-polymeric compd., and (II) a **repellent finish** such as fluorochem. **repellent**. Thus, a polyester **fabric** was dipped into an aq. bath contg. 15% of Polycat M 30 (quaternary stilbene vinyl copolymer) and 3% of Foraperle 501 (fluorochem. dispersion).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 2002:51714 CAPLUS

DN 136:103796

TI Manufacture of **textile substrates** having improved lasting water repellency and soil release properties by **coating textile substrates** with mixtures comprising a fluorocarbon polymer and a hydrophilic soil release polymer and coated **substrates** therefrom

IN Kimbrell, William C., Jr.; Stevens, Jerry T.

PA Milliken & Company, USA  
SO PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002004737	A2	20020117	WO 2001-US21165	20010703
	WO 2002004737	A3	20020321		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001073163	A5	20020121	AU 2001-73163	20010703
PRAI	US 2000-611550	A	20000707		
	WO 2001-US21165	W	20010703		

AB The water-repellent textile substrates are prepd. by the steps comprising the steps of (a) providing a compn. comprising 1-5:1 mixt. (A) of fluorocarbon polymer solids and hydrophilic soil release polymer solids at pH 4-7, (b) applying the mixt. to a **textile substrate**, and (c) drying the coated **substrate**, or the water-repellent textile **substrates** are prepd. by **coating textile substrates** with A mixts. having the hydrophilic soil release agent comprising a carboxylated acrylic polymer contg. 70% methacrylic acid units and 30% Et acrylate units, an anionic polymer, a **cationic** polymer or polyacrylamide, or a nonionic polymer or an ethoxylated polymer. The coated **substrates** exhibit soil release factor (AATCC Test Method 130-1981) .gtoreq.3.5 after 10 washes and water repellency factor (AATCC Test Method 22-1980) .gtoreq.70 after 10 washes. The coated **substrates** are useful for uniforms, fashion apparels, ski wer, shower curtains, and outerwear. A woven nylon **fabric** was scoured, padded with an aq. soln. contg. 4.0% Repearl F-8025 (fluorocarbon polymer) and 2.0% Millitex PD-75 (carboxylated acrylic polymer contg. 70% methacrylic acid units and 30% Et acrylate units, solids 15%) at pH 6.0 to give a **substrate** exhibiting water and oil repellency rating (spray rating, 100 no wetting, 0 complete wetting) 100 initially and 80 after 10 washes and showing corn oil soil release rating 4.3 initially and 3.5 after 10 washes.

~~L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS~~

AN 2001:174162 CAPLUS  
DN 134:209546  
TI Biodegradable resin-containing aqueous dispersions and their composite sheets  
IN Kamio, Katsuhisa; Okutani, Masahiro; Kuroda, Iwao; Hosoda, Kazuo; Kamata, Yukio  
PA Miyoshi Oil and Fat Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001064440	A2	20010313	JP 1999-243476	19990830
AB	Acetylcellulose-based biodegradable resins are stably dispersed in the aq. dispersions, useful for application to sheet <b>substrates</b> such as				

paper and **fabrics**. Thus, a dispersion contg. Celgreen P-CA 02 (biodegradable resin) 20, dimethylaminoethyl methacrylate-acrylamide copolymer (degree of cationization 64%) 0.1, poly(vinyl alc.) 0.3, EtOAc 120, and H2O 80 parts showed no pptn. after 2-mo storage at 40.degree.. Paper coated with the dispersion showed good biodegradability, water and oil repellency, and surface gloss.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1997:505351 CAPLUS

DN 127:136852

TI Membrane materials having good resistance to soiling and fire and their manufacture

IN Takeda, Masanobu; Hayakawa, Toshihiro; Seki, Masao

PA Toray Industries, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09183188	A2	19970715	JP 1995-344131	19951228
AB	<p>Title <b>materials</b> are manufd. by (1) addn. of mixt. solns. of <b>cationic</b> polyurethanes and blocked polyisocyanates and/or water <b>repellents</b> on surfaces of fabrics, (2) heat treatment at .gtoreq.120.degree., and (3) <b>coating</b> or hot-pressing thermoplastic resins on one or both sides of fabrics. Thus, a polyester fabric was dipped in a mixt. of 100 parts a <b>cationic</b> polyurethane (prepd. from ethylene glycol, 1,4-butanediol, adipic acid, 2,4-TDI, 2,6-TDI, diethylenetriamine, epichlorohydrin, and glycolic acid aq. solns.) and 5 parts a blocked isocyanate aq. dispersion, squeezed, dried at 130.degree., heated at 190.degree. for 1 min, and hot-pressed with a <b>coating</b> contg. Evatate CV 2097 (EVA) at 180.degree. to give a test piece showing adhesion strength 6.1 kg/3 cm (to the fabric; JIS K 6328), good water absorption and fire resistance.</p>				

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1997:171877 CAPLUS

DN 126:158735

TI Electrically conductive composites containing polypyrrole and fluoropolymers with improved water and oil repellency

IN Mizoguchi, Ikuo

PA Achilles Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08337972	A2	19961224	JP 1995-169232	19950612
AB	<p>Title composites, useful for elec. conductive nonwoven <b>fabrics</b> and flocks for electrostatic implanting, have <b>coatings</b> comprising polypyrrole (I) and fluoropolymers on <b>substrates</b>. Thus, cut acrylic fiber and 0.3% (vs. fiber) pyrrole (II) were added in aq. soln. contg. 5.0% (vs. resin) Dicguard (<b>cationic</b> fluoropolymer emulsion), 0.2 mol (vs. II) Na anthraquiononedisulfonate, and 2.3 mol (vs. II) FeCl3 then II was polymd. at 15.degree. for 5 h to form <b>coating</b> of I and the fluoropolymer. The fiber showing elec. leak resistance (R) 1 .times. 105 .OMEGA./cm was electrostatically flocked on a <b>fabric</b> to give a test piece showing retention of R after 24-h impregnation in a weak alk. detergent.</p>				



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COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          34.58      35.00
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                                ENTRY      SESSION
CA SUBSCRIBER PRICE                    -3.10      -3.10
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STN INTERNATIONAL LOGOFF AT 12:54:58 ON 23 DEC 2002

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COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.21      0.21
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COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.40      0.61
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STN INTERNATIONAL LOGOFF AT 12:56:56 ON 23 DEC 2002

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=> FILE CAPLUS
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          1.05      1.05
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FILE LAST UPDATED: 22 Dec 2002 (20021222/ED)

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=> D HIS

(FILE 'HOME' ENTERED AT 14:17:36 ON 23 DEC 2002)

FILE 'CAPLUS' ENTERED AT 14:20:20 ON 23 DEC 2002

=> S composite or laminate

233235 COMPOSITE  
140982 COMPOSITES  
265933 COMPOSITE  
(COMPOSITE OR COMPOSITES)  
74779 LAMINATE  
56110 LAMINATES  
92086 LAMINATE  
(LAMINATE OR LAMINATES)

L1 342696 COMPOSITE OR LAMINATE

=> s textile or fabric

69823 TEXTILE  
75021 TEXTILES  
109494 TEXTILE  
(TEXTILE OR TEXTILES)  
85362 FABRIC  
76513 FABRICS  
117674 FABRIC  
(FABRIC OR FABRICS)

L2 181052 TEXTILE OR FABRIC

=> s substrate

655190 SUBSTRATE  
309743 SUBSTRATES  
L3 825784 SUBSTRATE  
(SUBSTRATE OR SUBSTRATES)

=> s coating

600476 COATING  
303657 COATINGS  
L4 654302 COATING

(COATING OR COATINGS)

=> s cationic(1)(material or coating)

103116 CATIONIC

190 CATIONICS

103188 CATIONIC

(CATIONIC OR CATIONICS)

1146224 MATERIAL

1513979 MATERIALS

2299124 MATERIAL

(MATERIAL OR MATERIALS)

600476 COATING

303657 COATINGS

654302 COATING

(COATING OR COATINGS)

L5 11071 CATIONIC(L) (MATERIAL OR COATING)

=> s (repellant or repellent)(1)(coating or finish)

970 REPELLANT

388 REPELLANTS

1274 REPELLANT

(REPELLANT OR REPELLANTS)

17612 REPELLENT

6565 REPELLENTS

19671 REPELLENT

(REPELLENT OR REPELLENTS)

600476 COATING

303657 COATINGS

654302 COATING

(COATING OR COATINGS)

29246 FINISH

11594 FINISHES

36115 FINISH

(FINISH OR FINISHES)

L6 4781 (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)

=> d his

(FILE 'HOME' ENTERED AT 14:17:36 ON 23 DEC 2002)

FILE 'CAPLUS' ENTERED AT 14:20:20 ON 23 DEC 2002

L1 342696 S COMPOSITE OR LAMINATE

L2 181052 S TEXTILE OR FABRIC

L3 825784 S SUBSTRATE

L4 654302 S COATING

L5 11071 S CATIONIC(L) (MATERIAL OR COATING)

~~L6 4781 S (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)~~

=> s 12 and 13 and 14 and 15

L7 21 L2 AND L3 AND L4 AND L5

=> s 11 and 17

L8 4 L1 AND L7

=> d l8 1-4 bib,abs

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 2001:174162 CAPLUS

DN 134:209546

TI Biodegradable resin-containing aqueous dispersions and their  
**composite** sheets

IN Kamio, Katsuhisa; Okutani, Masahiro; Kuroda, Iwao; Hosoda, Kazuo; Kamata,  
Yukio

PA Miyoshi Oil and Fat Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001064440	A2	20010313	JP 1999-243476	19990830
AB	Acetylcellulose-based biodegradable resins are stably dispersed in the aq. dispersions, useful for application to sheet <b>substrates</b> such as paper and <b>fabrics</b> . Thus, a dispersion contg. Celgreen P-CA 02 (biodegradable resin) 20, dimethylaminoethyl methacrylate-acrylamide copolymer (degree of cationization 64%) 0.1, poly(vinyl alc.) 0.3, EtOAc 120, and H2O 80 parts showed no pptn. after 2-mo storage at 40.degree.. Paper coated with the dispersion showed good biodegradability, water and oil repellency, and surface gloss.				

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 2000:688437 CAPLUS  
DN 133:268175

TI **Substrate coatings**, methods for treating **substrates** for ink jet printing, and coated **textile** articles

IN Branham, Kelly Dean; Bagwell, Alison Salyer; Gordon, Alice Susan; Zelazoski, Leonard Eugene

PA Kimberly-Clark Worldwide, Inc., USA

SO PCT Int. Appl., 46 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000056972	A1	20000928	WO 2000-US7887	20000323
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BF, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1165878	A1	20020102	EP 2000-918367	20000323	
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

~~PRAI-US-1999-126198P-P-19990325~~  
WO 2000-US7887 W 20000323

AB A wide array of **textile fabric substrates** can be treated to improve the colorfastness and washfastness of ink jet ink formulations. The aq. treatment includes .apprx.5-95% cationic polymers or copolymers, and .apprx.5-20% **fabric** softeners, addnl., .apprx.0-80% polymeric latex binder to increase washfastness. Cotton poplin was padded with a soln. contg. diacetone acrylamide-diallyldimethylammonium chloride polymer, Varisoft 222 softener, and water, laminated with an adhesive paper, printed and dried.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:171877 CAPLUS  
DN 126:158735

TI Electrically conductive **composites** containing polypyrrole and fluoropolymers with improved water and oil repellency

IN Mizoguchi, Ikuo  
PA Achilles Corp, Japan  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08337972	A2	19961224	JP 1995-169232	19950612
AB	Title <b>composites</b> , useful for elec. conductive nonwoven <b>fabrics</b> and flocks for electrostatic implanting, have <b>coatings</b> comprising polypyrrole (I) and fluoropolymers on <b>substrates</b> . Thus, cut acrylic fiber and 0.3% (vs. fiber) pyrrole (II) were added in aq. soln. contg. 5.0% (vs. resin) Dicguard ( <b>cationic</b> fluoropolymer emulsion), 0.2 mol (vs. II) Na anthraquinonedisulfonate, and 2.3 mol (vs. II) FeCl <sub>3</sub> then II was polymd. at 15.degree. for 5 h to form <b>coating</b> of I and the fluoropolymer. The fiber showing elec. leak resistance (R) 1 .times. 10 <sup>5</sup> .OMEGA./cm was electrostatically flocked on a <b>fabric</b> to give a test piece showing retention of R after 24-h impregnation in a weak alk. detergent.				

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS  
AN 1991:681696 CAPLUS  
DN 115:281696  
TI Antistatic **lamine** manufacture  
IN Yamada, Yoshio; Araki, Osamu; Sogi, Hidehito; Izumi, Koji  
PA Toyo Rubber Industry Co., Ltd., Japan; Toyota Motor Corp.  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03197127	A2	19910828	JP 1989-343959	19891227
OS	MARPAT 115:281696				
AB	Antistatic <b>laminates</b> , useful for furnitures or vehicles, are prepd. by <b>coating</b> peelable <b>substrates</b> , optionally primed with acrylic emulsions, with <b>cationic</b> surfactant-contg. foamable polyurethanes, covering with elec. conductive <b>fabrics</b> , foaming and laminating.				

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	32.29	33.34
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

STN INTERNATIONAL LOGOFF AT 14:23:15 ON 23 DEC 2002

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002  
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FILE COVERS 1907 - 18 Nov 2002 VOL 137 ISS 21  
FILE LAST UPDATED: 17 Nov 2002 (20021117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s laminate

74333 LAMINATE

55865 LAMINATES

L1 91522 LAMINATE

(LAMINATE OR LAMINATES)

=> s textile

69186 TEXTILE

73221 TEXTILES

L2 108044 TEXTILE

(TEXTILE OR TEXTILES)

=> s substrate

650255 SUBSTRATE

~~307667 SUBSTRATES~~

L3 819823 SUBSTRATE

(SUBSTRATE OR SUBSTRATES)

=> s coating

597336 COATING

302319 COATINGS

L4 650930 COATING

(COATING OR COATINGS)

=> s polyvinylamine or polyallylamine

608 POLYVINYLAMINE

45 POLYVINYLAMINES

623 POLYVINYLAMINE

(POLYVINYLAMINE OR POLYVINYLAMINES)

13 POLYALLYLAMINE

L5 636 POLYVINYLAMINE OR POLYALLYLAMINE

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE

=> s 12 and 13 and 14

L6 1136 L2 AND L3 AND L4

=> s 16 and 15

L7 1 L6 AND L5

=> d 17 bib,abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 2002:594772 CAPLUS

DN 137:141764

TI Image-printable **textile substrates** coated with compositions containing a cationic material and a repellent

IN Vogt, Kirkland W.; Gillis, Kimberly C.; McBride, Daniel T.; Soltis, John A.; Sims, William T.

PA Milliken & Company, USA

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060689	A1	20020808	WO 2001-US47384	20011210
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002132541	A1	20020919	US 2001-772800	20010130
PRAI	US 2001-772800	A	20010130		

AB ~~Title **textile** having enhanced image definition is manufd. by~~  
**coating a textile substrate** with a compn.  
having cationic and repellent properties, thereby accepting an image thereon more readily. The **coating** compn. comprises (I) a cationic material such as polymeric and non-polymeric compd., and (II) a repellent finish such as fluorochem. repellent. Thus, a polyester fabric was dipped into an aq. bath contg. 15% of Polycat M 30 (quaternary stilbene vinyl copolymer) and 3% of Foraperle 501 (fluorochem. dispersion).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE  
L6 1136 S L2 AND L3 AND L4  
L7 1 S L6 AND L5

=> s 11 and 16  
L8 160 L1 AND L6

=> s 15 and 18  
L9 0 L5 AND L8

=> s phosphonium or fluorochemical or silicone or wax or organometallic complex or  
wax metal emulsion

13449 PHOSPHONIUM  
77 PHOSPHONIUMS  
13473 PHOSPHONIUM  
(PHOSPHONIUM OR PHOSPHONIUMS)  
187 FLUOROCHEMICAL  
107 FLUOROCHEMICALS  
282 FLUOROCHEMICAL  
(FLUOROCHEMICAL OR FLUOROCHEMICALS)  
466 FLUOROCHEM  
131 FLUOROCHEMS  
525 FLUOROCHEM  
(FLUOROCHEM OR FLUOROCHEMS)  
639 FLUOROCHEMICAL  
(FLUOROCHEMICAL OR FLUOROCHEM)  
81800 SILICONE  
61756 SILICONES  
118494 SILICONE  
(SILICONE OR SILICONES)  
65854 WAX  
40472 WAXES  
81558 WAX  
(WAX OR WAXES)  
37905 ORGANOMETALLIC  
2493 ORGANOMETALLICS  
38936 ORGANOMETALLIC  
(ORGANOMETALLIC OR ORGANOMETALLICS)  
1043811 COMPLEX  
606456 COMPLEXES  
1292475 COMPLEX  
(COMPLEX OR COMPLEXES)  

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3231 ORGANOMETALLIC COMPLEX  
(ORGANOMETALLIC (W) COMPLEX)  
65854 WAX  
40472 WAXES  
81558 WAX  
(WAX OR WAXES)  
1379264 METAL  
690993 METALS  
1672387 METAL  
(METAL OR METALS)  
171708 EMULSION  
101839 EMULSIONS  
207948 EMULSION  
(EMULSION OR EMULSIONS)  
1 WAX METAL EMULSION  
(WAX (W) METAL (W) EMULSION)  
L10 212854 PHOSPHONIUM OR FLUOROCHEMICAL OR SILICONE OR WAX OR ORGANOMETALLIC  
IC COMPLEX OR WAX METAL EMULSION



=> d his

(FILE 'HOME' ENTERED AT 12:26:45 ON 18 NOV 2002)

FILE 'CAPLUS' ENTERED AT 12:27:15 ON 18 NOV 2002

L1 91522 S LAMINATE  
L2 108044 S TEXTILE  
L3 819823 S SUBSTRATE  
L4 650930 S COATING  
L5 636 S POLYVINYLAMINE OR POLYALLYLAMINE  
L6 1136 S L2 AND L3 AND L4  
L7 1 S L6 AND L5  
L8 160 S L1 AND L6  
L9 0 S L5 AND L8  
L10 212854 S PHOSPHONIUM OR FLUORO-CHEMICAL OR SILICONE OR WAX OR ORGANOMET

=> s 18 and 110

L11 9 L8 AND L10

=> d 111 1-9 bib,abs

L11 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2002:408312 CAPLUS

DN 136:403379

TI Antifouling foamed laminated wallpaper

IN Kitagawa, Yosuke; Sasaki, Osamu; Hoshikawa, Ryuichi

PA Matsui Shikiso Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002155478	A2	20020531	JP 2000-347476	20001115
AB	The wallpaper comprises a <b>substrate</b> (paper), a foamed layer (Panflex OM 4200), a gas-barrier plastic film (ethylene-vinyl alc. copolymer), and a nonwoven <b>textile</b> layer (polyester fiber).				

L11 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2001:101223 CAPLUS

DN 134:164560

TI Impregnated glass fiber strands and coated strand products

IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;

Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.

PA Ppg Industries Ohio, Inc., USA

SO PCT Int. Appl., 161 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009226	A1	20010208	WO 2000-US20539	20000728
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

WO 2000021899 A1 20000420 WO 1999-US21442 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

WO 2000021900 A1 20000420 WO 1999-US21443 19991008  
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1204698 A1 20020515 EP 2000-950817 20000728  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRAI US 1999-146337P P 19990730  
US 1999-146605P P 19990730  
US 1999-146862P P 19990803  
WO 1999-US21442 W 19991008  
WO 1999-US21443 W 19991008  
US 2000-183562P P 20000218  
US 2000-527034 A 20000316  
US 2000-548379 A 20000412  
US 2000-668916 A 20000511  
US 2000-620525 A 20000720  
US 1998-170566 A 19981013  
US 1998-170578 A 19981013  
US 1999-133075P P 19990507  
US 1999-133076P P 19990507  
WO 2000-US20539 W 20000728

AB The partially coated fiber strand (for use in circuit board  
laminates) comprises many fibers, the **coating** (or size)  
comprising an org. component and lamellar particles having a thermal cond.  
.gtoreq.1 W/m K at 300K. The **coating** compn. further comprises  
(a) many discrete particles formed from materials selected from nonheat  
expandable org. materials, inorg. polymeric materials, nonheat expandable  
composite materials and mixts., the particles having an av. particle size  
sufficient to allow strand wet out, (b) .gtoreq.1 lubricants, and (c)  
.gtoreq.1 film-forming material. Glass fibers have a **coating**  
compn. comprising (a) many lamellar, inorg. particles having a Mohs'  
hardness value which does not exceed the Mohs' hardness value of the glass  
fibers and (b) .gtoreq.1 polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 2001:101073 CAPLUS

DN 134:164559

TI Impregnated glass fiber strands and coated strand products

IN Novich, Bruce E.; Lammon-hilinski, Kami; Robertson, Walter J.; Wu, Xiang;  
Velpari, Vedagiri; Lawton, Ernest L.; Rice, William B.

PA Ppg Industries Ohio, Inc., USA

SO PCT Int. Appl., 163 pp.

CODEN: PIXXD2

DT Patent

LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009054	A1	20010208	WO 2000-US20459	20000728
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	WO 2000021899	A1	20000420	WO 1999-US21442	19991008
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	WO 2000021900	A1	20000420	WO 1999-US21443	19991008
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1204613	A1	20020515	EP 2000-948977	20000728
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
	BR 2000012885	A	20020716	BR 2000-12885	20000728
	US 2002055313	A1	20020509	US 2001-795622	20010228
	US 2002058449	A1	20020516	US 2001-793911	20010228
	US 2002086598	A1	20020704	US 2001-793900	20010228
PRAI	US 1999-146337P	P	19990730		
	US 1999-146605P	P	19990730		
	US 1999-146862P	P	19990803		
	WO 1999-US21442	A	19991008		
	WO 1999-US21443	A	19991008		
	US 2000-183562P	P	20000218		
	US 2000-527034	P	20000316		
	US 2000-548379	A	20000412		
	US 2000-668916	A	20000511		
	US 2000-233460P	P	20000918		
	US 1998-170566	A	19981013		
	US 1998-170578	A	19981013		
	US 1999-133075P	P	19990507		
	US 1999-133076P	P	19990507		
	US 2000-568916	A	20000511		
	US 2000-620523	A	20000720		
	WO 2000-US20459	W	20000728		

AB The partially coated fiber strand (for use in circuit board laminates) comprises many fibers, the **coating** (or size) comprising an org. component and lamellar particles having a thermal cond.  $\geq 1 \text{ W/m K}$  at 300K. The **coating** compn. further comprises (a) many discrete particles formed from materials selected from nonheat expandable org. materials, inorg. polymeric materials, nonheat expandable composite materials and mixts., the particles having an av. particle size

sufficient to allow strand wet out, (b) .gtoreq.1 lubricants, and (c) .gtoreq.1 film-forming material. Glass fibers have a **coating** compn. comprising (a) many lamellar, inorg. particles having a Mohs' hardness value which does not exceed the Mohs' hardness value of the glass fibers and (b) .gtoreq.1 polymeric material.

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1993:651690 CAPLUS

DN 119:251690

TI Preparation of waterproof, breathable, laminated polyurethane membranes

IN Krishnan, Sundaram

PA Surface Coatings, Inc., USA

SO U.S., 10 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5208313	A	19930504	US 1992-914871	19920716
	US 5234525	A	19930810	US 1992-968182	19921029
	US 5239036	A	19930824	US 1993-2610	19930111
	US 5238732	A	19930824	US 1993-2640	19930111
	US 5239037	A	19930824	US 1993-2747	19930111
	WO 9402526	A1	19940203	WO 1993-JP982	19930715

W: JP, KR

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

US 5283112	A	19940201	US 1993-97363	19930726
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PRAI US 1992-914871 19920716

US 1992-968182 19921029

AB The title membranes, useful in manufg. tents, rainwear, etc., can be produced as free-standing products or laminated or coated on porous **substrates**, e.g., fabrics, by using a base coat and topcoat **coating** system comprising chain-extended polyurethane prepolymers dissolved in fugitive solvents. Thus, a PhMe soln. of a urethane prepolymer prepd. from isophorone diisocyanate (IDPI), Carbowax 1450 (a polyethylene glycol), Q 4-3667 [OH-functional poly(di-Me siloxane)], and Coscat 83 (catalyst) was chain-extended with isophoronediamine and mixed with a similar, chain-extended prepolymer based on Carbowax 1450 and Terathane 2000 [a poly(tetramethylene glycol)]. The mixt. was combined with Santolite MHP (an anticurl additive), Cymel 380 (a melamine antiblocking agent), and a soln. of Et3N-blocked Et acid phosphate catalyst to give a thermoset breathable base coat formulation suitable for direct **coating** on fabrics.

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1991:473246 CAPLUS

DN 115:73246

TI Thermally conductive electrically insulating siloxane rubbers having fusible **coatings**

IN Kashida, Shu; Shimamoto, Noboru; Yoneyama, Tsutomu

PA Shin-Etsu Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02267810	A2	19901101	JP 1989-89198	19890407
	JP 07007605	B4	19950130		

AB Title insulators, useful for heat-discharging materials for elec. or

electronic devices, comprise **laminates** of (a) cured rubber compns. contg. siloxanes and thermally conductive inorg. fillers and (b) synthetic resin **coatings** having softening temp. (T) 40-120.degree. of .ltoreq.10 .mu.m thickness. Thus, vinyl-contg. dimethylpolysiloxane rubber 100, alumina 300, and 2,4-dichlorobenzoyl peroxide 1.5 parts were mixed and press-vulcanized at 170.degree. for 15 min to give a sheet, which was coated with toluene soln. of EOCN 1020-55 (epoxy phenol resin, T 55.degree.) and dried at 70.degree. for 10 min to give title **lamine** (0.5-.mu.m the epoxy **coating**) having thermal resistance 0.78 .degree.C/W vs. 1.55 for the sheet without the **coating**.

L11 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS  
 AN 1988:632465 CAPLUS  
 DN 109:232465  
 TI Fire- and water-resistant laminated sheets  
 IN Nishizawa, Hitoshi; Nishimura, Tamotsu; Mori, Junichiro; Yamazaki, Kamoo  
 PA Showa Electric Wire and Cable Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63110347	A2	19880514	JP 1986-255391	19861027
AB	The sheets are prepd. by binding web-monoaxially oriented polyolefin film-coarse <b>textile</b> (sandwiched) <b>laminates</b> or polyolefin film-flame-retardant inorg. sheet <b>laminates</b> on flame-retardant rubber-asphalt composite (A)-coated release <b>substrates</b> . Thus, <b>coating</b> a <b>silicone</b> on kraft paper, then the composite, and roll-bonding a glass cloth-polyethylene film-polyethylene <b>textile laminates</b> on the composite side gave a product showing good fire and water resistance.				

L11 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
 AN 1988:206009 CAPLUS  
 DN 108:206009  
 TI **Laminates** of surface-coated prepreps  
 IN Maeda, Shuji; Sakamoto, Takaaki; Ito, Munehiko; Heiuchi, Takahiro; Koseki, Takayoshi  
 PA Matsushita Electric Works, Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63027217	A2	19880204	JP 1986-170481	19860718
AB	<b>Laminates</b> with good dielec. properties and interlayer adhesion are prepd. by <b>coating</b> mixts. of polyoxyphenylenes 10-95, curable polymers and/or monomers 10-50, and inorg. fillers 1-200 parts on <b>substrates</b> or prepreps, laminating, and hot-pressing. Glass fabrics were impregnated with a mixt. of polyoxyphenylene 70, SBR 20, triallyl isocyanurate 10, peroxide 25B 2, C2HCl3 800, and TiO2 50 g, dried, coated on both sides with the same compn., dried, laminated (3 sheets) between Cu foils, and press-cured to give a <b>lamine</b> having dielec. const. (1 MHz) 6.3, resistivity 7.5 .times. 10 <sup>14</sup> .OMEGA., and peel strength 2.0 kg/cm; vs. 6.5, 4.5 .times. 10 <sup>14</sup> , and 0.2, resp., without the <b>coating</b> .				

L11 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS  
 AN 1980:7972 CAPLUS

DN 92:7972  
 TI Semi-durable, water-repellant, fire-resistant intumescent composition  
 IN Dias, Gil M.  
 PA United States Dept. of the Army, USA  
 SO U. S. Pat. Appl., 32 pp. Avail. NTIS.  
 CODEN: XAXXAV  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 966846	A0	19790831	US 1978-966846	19781206
	US 4216261	A	19800805	US 1978-966846	19781206
	CA 1109607	A1	19810929	CA 1979-338346	19791024
PRAI	US 1978-966846		19781206		

AB The title **coating** compn. for use on fabrics consisted of a catalyst (a P-releasing agent), a carbonific (such as a polyfunctional alc.), a blowing agent mixt. (such as an amine or amide and a chlorinated paraffin), and a preservative **coating** compn. composed of a fire retardant, a binder, a solvent, and optionally, a water-repellent, pigments, or fungicides. Thus, a paraffin **wax** emulsion was prepd. consisting of Chlorowax 70 96.0, nonionic wetting agent 28.8, NH4OH 11.2, water 193.6, and Stoddard solvent 481.6 parts. A preservative **coating** compn. was prepd. contg. mineral spirits 248, chlorinated paraffin 54, sulfonated castor oil 5, water 5, nonionic wetting agent 13, TiO2 150, CaCO3 450, Sb2O3 50, and 2,2'-methylenebis(4-chlorophenol) 11 parts. An intumescent **coating** compn. was prepd. by mixing the Chlorowax 70 emulsion 39.19, Phos Chek P/30 ammonium polyphosphate 43.65, tripentaerythritol [78-24-0] 15.69, ball-milled melamine [108-78-1] 11.20, water 122.93, and preservative **coating** compn. 16.26 parts. A cotton **textile** coated with 40-100% of the compn. and dried at 222-60.degree. F had a semidurable fire-resistant water-repellent finish which prevented the **substrate** from burning and intumesced in .ltoreq.3 s at ignition energy 0.14 cal/cm2/s.

L11 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

AN 1977:122524 CAPLUS

DN 86:122524

TI Leather substitutes

IN Maeda, Yasuhiro; Morimoto, Itaru

PA Sekisui Chemical Co., Ltd., Japan

SO Japan., 10 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51040123	B4	19761101	JP 1966-60986	19660914

AB Flexible leather substitutes with improved permeability were obtained by impregnating an acrylic or acetate web with mixts. (A) contg. a urethane polymer, **coating** the web with NaHCO3 or CaCl2, steaming the coated web to foam A, **coating** the material with a mixt. (B) contg. a urethane polymer in a water-compatible solvent having b.p. >100.degree. or laminating the material with a **substrate** coated with B, **coating** the **lamine** (coated side) with NaHCO3 or CaCl2, moistening the **lamine** to foam B, and immersing the **lamine** in hot water. Thus, a Cashmilon web was immersed in a mixt. contg. a urethane polymer (I) [9048-57-1] 100, toluene 100, triethylamine 0.1, dibutyltin dilaurate 0.6, **silicone** oil 1.0, and carbon black 1.0 part, padded (350 g/m2), coated (200 g/m2) with NaHCO3, steamed 10 min at 100.degree., and pressed at 130.degree. and 25 kg/cm2. The resulting web was laminated with a cotton fabric [coated (250 g/m2) with a mixt. contg. I 80, DMF 20, and carbon black 1.0 part], stored

10 min at 40.degree. and 100% relative humidity (RH) and 15 min at 70.degree. and 90% RH, dried, and immersed in H2O for 2 h at 60.degree. to give a flexible leather substitute with good permeability.

=> log y	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	50.87	51.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-6.20	-6.20

STN INTERNATIONAL LOGOFF AT 12:32:32 ON 18 NOV 2002

=> d his

(FILE 'HOME' ENTERED AT 12:50:46 ON 23 DEC 2002)

=> s composite of laminate  
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COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

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=> s composite or laminate  
233235 COMPOSITE  
140982 COMPOSITES  
265933 COMPOSITE

```

                (COMPOSITE OR COMPOSITES)
74779 LAMINATE
56110 LAMINATES
92086 LAMINATE
                (LAMINATE OR LAMINATES)
L1      342696 COMPOSITE OR LAMINATE

=> s (textile or fabric) (l) substrate
        69823 TEXTILE
        75021 TEXTILES
        109494 TEXTILE
                (TEXTILE OR TEXTILES)
        85362 FABRIC
        76513 FABRICS
        117674 FABRIC
                (FABRIC OR FABRICS)
        655190 SUBSTRATE
        309743 SUBSTRATES
        825784 SUBSTRATE
                (SUBSTRATE OR SUBSTRATES)
L2      5346 (TEXTILE OR FABRIC) (L) SUBSTRATE

=> s coating
        600476 COATING
        303657 COATINGS
L3      654302 COATING
                (COATING OR COATINGS)

=> s cationic (l) (material or coating)
        103116 CATIONIC
        190 CATIONICS
        103188 CATIONIC
                (CATIONIC OR CATIONICS)
        1146224 MATERIAL
        1513979 MATERIALS
        2299124 MATERIAL
                (MATERIAL OR MATERIALS)
        600476 COATING
        303657 COATINGS
        654302 COATING
                (COATING OR COATINGS)
L4      11071 CATIONIC (L) (MATERIAL OR COATING)

=> s (repellant or repellent) (l) (coating or finish)
        970 REPELLANT
        388 REPELLANTS
        1274 REPELLANT
                (REPELLANT OR REPELLANTS)
        17612 REPELLENT
        6565 REPELLENTS
        19671 REPELLENT
                (REPELLENT OR REPELLENTS)
        600476 COATING
        303657 COATINGS
        654302 COATING
                (COATING OR COATINGS)
        29246 FINISH
        11594 FINISHES
        36115 FINISH
                (FINISH OR FINISHES)
L5      4781 (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)

=> d his

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(FILE 'HOME' ENTERED AT 12:50:46 ON 23 DEC 2002)

FILE 'CAPLUS' ENTERED AT 12:52:06 ON 23 DEC 2002

L1 342696 S COMPOSITE OR LAMINATE  
L2 5346 S (TEXTILE OR FABRIC) (L) SUBSTRATE  
L3 654302 S COATING  
L4 11071 S CATIONIC (L) (MATERIAL OR COATING)  
L5 4781 S (REPELLANT OR REPELLENT) (L) (COATING OR FINISH)

=> s 12 and 13 and 14 and 15  
L6 5 L2 AND L3 AND L4 AND L5

=> d 16 1-5 bib,abs

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS  
AN 2002:594772 CAPLUS  
DN 137:141764  
TI Image-printable **textile substrates** coated with  
compositions containing a **cationic material** and a  
repellent  
IN Vogt, Kirkland W.; Gillis, Kimberly C.; McBride, Daniel T.; Soltis, John  
A.; Sims, William T.  
PA Milliken & Company, USA  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002060689	A1	20020808	WO 2001-US47384	20011210
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002132541	A1	20020919	US 2001-772800	20010130
PRAI	US 2001-772800	A	20010130		

AB Title **textile** having enhanced image definition is manufd. by  
**coating a textile substrate** with a compn.  
having **cationic** and **repellent** properties, thereby  
accepting an image thereon more readily. The **coating** compn.  
comprises (I) a **cationic material** such as polymeric  
and non-polymeric compd., and (II) a **repellent finish**  
such as fluorochem. **repellent**. Thus, a polyester **fabric**  
was dipped into an aq. bath contg. 15% of Polycat M 30 (quaternary  
stilbene vinyl copolymer) and 3% of Foraperle 501 (fluorochem.  
dispersion).

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS  
AN 2002:51714 CAPLUS  
DN 136:103796  
TI Manufacture of **textile substrates** having improved  
lasting water repellency and soil release properties by **coating**  
**textile substrates** with mixtures comprising a  
fluorocarbon polymer and a hydrophilic soil release polymer and coated  
**substrates** therefrom  
IN Kimbrell, William C., Jr.; Stevens, Jerry T.

PA Milliken & Company, USA  
SO PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002004737	A2	20020117	WO 2001-US21165	20010703
	WO 2002004737	A3	20020321		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001073163	A5	20020121	AU 2001-73163	20010703
PRAI	US 2000-611550	A	20000707		
	WO 2001-US21165	W	20010703		

AB The water-repellent textile substrates are prepd. by the steps comprising the steps of (a) providing a compn. comprising 1-5:1 mixt. (A) of fluorocarbon polymer solids and hydrophilic soil release polymer solids at pH 4-7, (b) applying the mixt. to a **textile substrate**, and (c) drying the coated **substrate**, or the water-repellent textile **substrates** are prepd. by **coating textile substrates** with A mixts. having the hydrophilic soil release agent comprising a carboxylated acrylic polymer contg. 70% methacrylic acid units and 30% Et acrylate units, an anionic polymer, a **cationic** polymer or polyacrylamide, or a nonionic polymer or an ethoxylated polymer. The coated **substrates** exhibit soil release factor (AATCC Test Method 130-1981) .gtoreq.3.5 after 10 washes and water repellency factor (AATCC Test Method 22-1980) .gtoreq.70 after 10 washes. The coated **substrates** are useful for uniforms, fashion apparels, ski wer, shower curtains, and outerwear. A woven nylon **fabric** was scoured, padded with an aq. soln. contg. 4.0% Repearl F-8025 (fluorocarbon polymer) and 2.0% Millitex PD-75 (carboxylated acrylic polymer contg. 70% methacrylic acid units and 30% Et acrylate units, solids 15%) at pH 6.0 to give a **substrate** exhibiting water and oil repellency rating (spray rating, 100 no wetting, 0 complete wetting) 100 initially and 80 after 10 washes and showing corn oil soil release rating 4.3 initially and 3.5 after 10 washes.

~~L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS~~

AN 2001:174162 CAPLUS

DN 134:209546

TI Biodegradable resin-containing aqueous dispersions and their composite sheets

IN Kamio, Katsuhisa; Okutani, Masahiro; Kuroda, Iwao; Hosoda, Kazuo; Kamata, Yukio

PA Miyoshi Oil and Fat Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001064440	A2	20010313	JP 1999-243476	19990830
AB	Acetylcellulose-based biodegradable resins are stably dispersed in the aq. dispersions, useful for application to sheet <b>substrates</b> such as				

paper and **fabrics**. Thus, a dispersion contg. Celgreen P-CA 02 (biodegradable resin) 20, dimethylaminoethyl methacrylate-acrylamide copolymer (degree of cationization 64%) 0.1, poly(vinyl alc.) 0.3, EtOAc 120, and H2O 80 parts showed no pptn. after 2-mo storage at 40.degree.. Paper coated with the dispersion showed good biodegradability, water and oil repellency, and surface gloss.

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1997:505351 CAPLUS

DN 127:136852

TI Membrane materials having good resistance to soiling and fire and their manufacture

IN Takeda, Masanobu; Hayakawa, Toshihiro; Seki, Masao

PA Toray Industries, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09183188	A2	19970715	JP 1995-344131	19951228
AB	Title <b>materials</b> are manufd. by (1) addn. of mixt. solns. of <b>cationic</b> polyurethanes and blocked polyisocyanates and/or water <b>repellents</b> on surfaces of fabrics, (2) heat treatment at .gtoreq.120.degree., and (3) <b>coating</b> or hot-pressing thermoplastic resins on one or both sides of fabrics. Thus, a polyester fabric was dipped in a mixt. of 100 parts a <b>cationic</b> polyurethane (prepd. from ethylene glycol, 1,4-butanediol, adipic acid, 2,4-TDI, 2,6-TDI, diethylenetriamine, epichlorohydrin, and glycolic acid aq. solns.) and 5 parts a blocked isocyanate aq. dispersion, squeezed, dried at 130.degree., heated at 190.degree. for 1 min, and hot-pressed with a <b>coating</b> contg. Evatate CV 2097 (EVA) at 180.degree. to give a test piece showing adhesion strength 6.1 kg/3 cm (to the fabric; JIS K 6328), good water absorption and fire resistance.				

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1997:171877 CAPLUS

DN 126:158735

TI Electrically conductive composites containing polypyrrole and fluoropolymers with improved water and oil repellency

IN Mizoguchi, Ikuo

PA Achilles Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08337972	A2	19961224	JP 1995-169232	19950612
AB	Title composites, useful for elec. conductive nonwoven <b>fabrics</b> and flocks for electrostatic implanting, have <b>coatings</b> comprising polypyrrole (I) and fluoropolymers on <b>substrates</b> . Thus, cut acrylic fiber and 0.3% (vs. fiber) pyrrole (II) were added in aq. soln. contg. 5.0% (vs. resin) Dicguard ( <b>cationic</b> fluoropolymer emulsion), 0.2 mol (vs. II) Na anthraquiononedisulfonate, and 2.3 mol (vs. II) FeCl3 then II was polymd. at 15.degree. for 5 h to form <b>coating</b> of I and the fluoropolymer. The fiber showing elec. leak resistance (R) 1 .times. 105 .OMEGA./cm was electrostatically flocked on a <b>fabric</b> to give a test piece showing retention of R after 24-h impregnation in a weak alk. detergent.				

	SINCE FILE	TOTAL
	ENTRY	SESSION
=> log y		
COST IN U.S. DOLLARS	34.58	35.00
FULL ESTIMATED COST		

	SINCE FILE	TOTAL
	ENTRY	SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	-3.10	-3.10
CA SUBSCRIBER PRICE		

STN INTERNATIONAL LOGOFF AT 12:54:58 ON 23 DEC 2002

	SINCE FILE	TOTAL
	ENTRY	SESSION
=> file caplus		
COST IN U.S. DOLLARS	0.21	0.21
FULL ESTIMATED COST		

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FILE COVERS 1907 - 23 Dec 2002 VOL 137 ISS 26  
FILE LAST UPDATED: 22 Dec 2002 (20021222/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d his

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(FILE 'HOME' ENTERED AT 12:55:58 ON 23 DEC 2002)

FILE 'CAPLUS' ENTERED AT 12:56:22 ON 23 DEC 2002

	SINCE FILE	TOTAL
	ENTRY	SESSION
=> log y		
COST IN U.S. DOLLARS	0.40	0.61
FULL ESTIMATED COST		

STN INTERNATIONAL LOGOFF AT 12:56:56 ON 23 DEC 2002